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Supposed Oil-Bearing Areas of South Australia. By ARTHUR WADE. Geol. Survey of South Australia, Bull. 4, 1915. Pp. 54, figs. 12, pls. 3.

This bulletin gives the results of field search for oil-bearing horizons in four areas along the seacoast. The rocks in these areas are largely pre-Cambrian schists and quartzites either outcropping or concealed by a thin covering of Tertiary sediments. On Kangaroo Island are clastics assigned to the Cambrian, and glacial deposits doubtfully Permo-carboniferous in age.

The writer finds nothing in the lithology or structure of the strata that can be interpreted as favorable to oil accumulation. He believes that fragments of asphaltum found along the shore have come from beds down-faulted beneath the sea by the great fractures along the southern edge of the continent.

W. B. W.

Coal Fields of Kittitas County. By E. J. SAUNDERS. Washington Geol. Survey, Bull. 9, Pp. 204, figs. 52, pls. 38.

Kittitas County has led all the counties of this state in the production of coal for many years. The output is chiefly from a 19-foot vein in the Roslyn formation of middle Eocene age. The coal is of good bituminous grade and quite free from impurities. The general structural relations of the beds are quite simple, but there are many striking local exceptions, and some of these are illustrated by an excellent series of photographs and diagrams.

In certain portions of the county the Manastash formation of upper Eocene age carries coal beds that are of no commercial importance at present.

W. B. W.

Contributions to the Stratigraphy of Southwestern Colorado. By WHITMAN CROSS and ESPER S. LARSEN. Professional Paper, U.S. Geol. Survey, No. 90-E, 1914. "Shorter Contributions to General Geology, 1914." Pp. 39-50, pl. 1, figs. 2.

The overlap of the Gunnison formation (= La Plata sandstone (Jurassic) below + McElmo formation (Jurassic[?] (above) on pre-Cambrian rocks "extends at least 50 miles farther up the valleys of the Gunnison and Tomichi than was represented for the Jurassic beds on the Hayden map. . . . The relations in the Piedra Valley suggest that the La